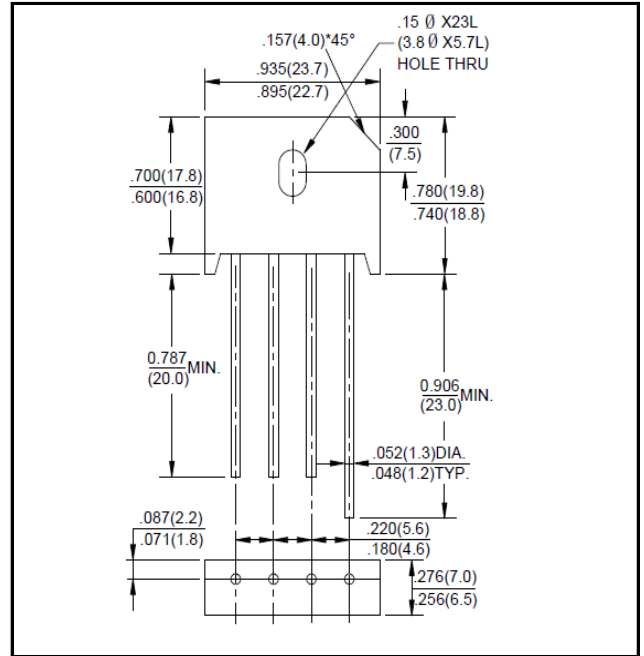


10/15/25A Single-Phase GLass Passivated Bridge Rectifiers



Recifier Reverse Voltage 50V to 1000V

KBU



Features

- Glass passivated junction
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- Suge overload ratings to 125 thru 175 amperes peak
- Ideal for printed circuit board application
- High temperature soldering guaranteed 265°C/10

Mechanical Data

Case: Molded plastic
 Terminals: Platde leads solderable per MIL-STD-750, Method 2026
 Polarity: Polarity symbols molded or Marked on body
 Mounting Position: Any
 Weight: 0.25ounce, 7.0 grams (approx)

Maximum Ratings & Thermal Characteristics

Dimensions in inches and (millimeters)

Rating at 25°C ambient temperature unless otherwise specified, Resistive or inductive load, 60HZ.
 For Capacitive load derate current by 20%

Parameter	Symbol	KBU10A	KBU10B	KBU10D	KBU10G	KBU10J	KBU10K	KBU10M	unit
		KBU15A	KBU15B	KBU15D	KBU15G	KBU15J	KBU15K	KBU15M	
		KBU25A	KBU25B	KBU25D	KBU25G	KBU25J	KBU25K	KBU25M	
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS bridge input voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	V
Maximum average forward (with heatsink Note 1) Rectified current @Tc=100°C (without heatsink)	IF(AV)	KBU10	10.0	KBU15	15.0	KBU25	25.0	A	
Peak forward surge current single sine-wave superimposed on rated load (JEDEC Method)	IFSM		3.0		3.2		3.6	A	
Maximum instantaneous forward voltage drop per element at 5.0A /7.5A/12.5A	VF		200		250		300	A	
Maximum DC reverse current at ratde TA=25°C DC blocking voltage per element TA=100°C	IR	10	10	10	10	10	10	UA	
Operating and storage temperature range	TJ,TSTG	1000	1000	1000	1000	1000	1000	1000	°C
		-55to+150							

Note:1 Device mounted on 100mm*100mm*1.6mm Cu plate heatsink.

Rating and Characteristic Curves($T_A=25^\circ\text{C}$ Unless otherwise noted)

